

# JAMES GARNER

SENIOR ENGINEER  
(CONTRACT)  
JUL 18 -

## Arcadia Group via 101 Ways

- Core team writing full stack JavaScript (React 16). Pair-owning component library used across 7 sites including Topman and Miss Selfridge.

CO-FOUNDER  
MAR 18 - JUL 18

## Entrepreneur First (<https://storydust.ai>)

- Technical co-founder responsible for technology vision, roadmap and execution.
- Designed and built Google-quality AI image search via unsupervised learning ontology with subsecond result time through map-reduce query planning.
- Designed and built enterprise-scale image processing queue indexing over a million Instagram photos of people using brands' products.
- Backend: Infrastructure-as-code containerised microservice infrastructure (Node.js/Docker/CoreOS/RabbitMQ/Redis) on Google Cloud Platform, DigitalOcean and Azure with dynamic load balancing and alerting. 100% critical path automated test coverage.
- Frontend: Mobile-first React 16 app.

ENGINEER  
FEB 17 - MAR 18

## Beamery

- Early hire in full stack engineering for Beamery pre-Series A to post-Series B. Beamery is the world's most advanced sourcing and recruitment marketing platform, empowering companies to treat candidates like customers.
- Pair-lead development of candidate-facing Beamery Pages product (Angular) which was key to Balfour Beatty's "Outstanding Impact Transformation & Change" win in the Firm Awards.
- Lead frontend development of hiring analytics product (Angular; tracking the candidate journey from first visit to hire through Angular/Keen.io/Elasticsearch) and GDPR compliance.
- Advanced reporting work in React/Redux including data visualisation. Supported work on micro-frontend architecture (React, Angular and Vue in one SPA).
- Mentored Founders & Coders interns through a full agile project alongside daily junior developer mentoring and pair programming.
- Ran company-wide knowledge sharing sessions on NLP and web components, and established end-to-end testing with Selenium and Cucumber.
- Worked directly with Facebook, Balfour Beatty, Grab, Greenhouse and Roivant.

ENGINEER  
MAR 16 - FEB 17

## PlayStation (R&D at Sony Interactive Entertainment Europe)

- Full stack engineering for PlayStation's best-in-class developer support platform.
- Individual responsibility and leadership on application's frontend strategy: build process, dependency management, universal JavaScript, migration of tightly coupled frontend/backend code to APIs and Angular.
- Regular work in San Mateo, delivering Angular training to London and California senior developers.
- Lead agile planning and sprint reviews, regularly presenting to Japanese stakeholders.
- Successful long term sprint visualisation project with GitHub/Rally APIs and D3.
- Supported Architecture Board with greenfield AWS project (Node.js lambdas, Serverless, CloudFormation, Elasticsearch and SNS).

CO-FOUNDER  
2015 - 2017

## Epsilon Data (<https://epsilondata.co.uk>)

- Technical co-founder of profitable automated marketing startup.
- Lead generation by finding Twitter conversations and replying intelligently through brands' Twitter handles. Test-driven strategy to avoid spam.
- WYSIWYG landing pages with tracking from automated tweets through to website via client-side SDK.
- "Deep Profiles" parallel crawler technology automatically associating LinkedIn, Twitter and Facebook profiles for clustering.
- API-first insight platform (Node.js/restify) with 0 downtime deployments through CloudFlare API. Failsafe integrations with Twitter, Google Images, Mapbox, GeoNames and Genderize.io.
- Self-service responsive "Client Portal" app (Angular) consuming insight platform APIs.
- Beautiful slide deck reporting with impress.js, Chartist and wkhtmltopdf. 3-year old codebase migrated to Browserify, Babel and Sass build system.
- One-to-one mentoring with the UK's leading ethical tourism charity.

ENGINEER  
NOV 14 - OCT 15

## Relative Insight, Lancaster

- Developed Python web scrapers for high profile brands including Oxford University and Smirnoff. Published Mumsnet language normalisation algorithms.

DEVELOPER  
JUN 14 - SEP 14



## DataCentred, MediaCityUK, Manchester

- Internship. Co-delivered customer facing support app in Ruby on Rails and Angular within 3 months, reflecting JIRA ticket activity in real-time. Implemented LDAP support in OSS project phipam.

DEVELOPER  
JUN 13 - MAY 14







## NextWorldWeb, InfoLab21, Lancaster

- Moved large legacy ecommerce systems to CakePHP, CS-Cart and WordPress. Automated WordPress theme creation from any site.

- DEVELOPER** 2011 - 2012  **Dark Flow** (<https://youtube.com/watch?v=yY3QpVo25lw>)
- Lead a team of 5 developing a “true cross platform game maker”. Implemented Mac/Windows/Linux game support through .NET bytecode runner; browser and mobile support through JavaScript generation.
- FOUNDER** 2007 - 2011  **DS Game Maker** (<http://gamemakerblog.com/2010/09/22/ds-game-maker>)
- Created famous Nintendo DS homebrew game making software.
  - Sold over 1,500 serial codes and 350 physical ‘Homebrew Kits’ by age 17.
  - Software and hardware adopted at American summer camps and site licenses sold worldwide. International logistics work with Hong Kong and support in German and Dutch.









## EDUCATION

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- DEGREE**  **2:1 Computer Science BSc (Hons), University of Lancaster, UK**
- Distributed Systems, AI, Advanced Internet & Mobile Applications, Operating Systems & Concurrency, Functional Programming (Erlang/Python) and Digital Systems (Pure Mathematics/Assembly/Compilers). Thesis on text and image semantics in Twitter subcultures.
- LANGUAGES**  **English:** Native  **German:** Fluent  **Spanish:** Learning
- LEADERSHIP**  **The Computer Science Society:** President (Lancaster, 2014 - 2015)
-  **InterTech LGBT+ Diversity Forum:** Organiser (London, 2014 - 2017)

## HACKATHONS, CONFERENCES + TALKS

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- JUL 17**  **#HackingTalent**
- First Prize. Suggesting top candidates for hard-to-fill vacancies by classifying text descriptions to form structured vacancy data from job descriptions alone. Team of 3.
- JUL 17**  **AngelHack London**
- Chatbot-esque personal assistant Chrome extension promoting mindfulness by understanding local browser history. Frameworkless Web Components frontend; Elasticsearch and Node.js backend with multiple API providers. Team of 4.
- SEP 16**  **Capco Hackathon with Monzo and Loqr**
- First Prize. API clustering spend data from Monzo’s API to create financial personality profiles. Tinder-like profile matching client (Angular). Deployed in > 5 hours’ keyboard time. Team of 3.
- FEB 16**  **PHP UK Hackathon**
- Second Prize. Real time websocket powered Twitter sentiment analysis “topic battle” with MonkeyLearn, Pusher, Angular and HTML5 canvas tag clouds.
- NOV 14**  **Global Startup Weekend 2014**
- First Prize. One line JavaScript embed code for reputation based comments, quantifying personality to eliminate on-line trolls. Team of 4.
- NOV 14**  **Nintendo DS Homebrew, 2014 Edition**
- Speaker at DunDDD conference, University of Dundee. “Adventures in the retro Homebrew Scene” and live demo of writing Nintendo DS homebrew.
- MAR 14**  **Hack Smart Streets 2014**
- ‘Most Commercially Viable’ Prize. API for public bodies to detect decaying street furniture from crowdsourced imagery using ffmpeg and .NET image analysis. Team of 4.
- AUG 13**  **LeedsHack 2013**
- First Prize. Mobile AR game ‘Pacman City’ on Google Maps. Team of 3.